

T060400: T2292350

```

ecori
1 GAATTCAACT TCTCCATACT TTGGATAAGG AAATACAGAC ATGAAAAATC TCATTGCTGA GTTGTATTAT AAGCTTGCCC AAAAGAAGA AGAGTCGAAT
CTTAAGTTGA AGAGGTATGA AACCTATTCC TTTATGCTG TACTTTTATAG AGTAACGACT CAACAATAAA TTCTGACGGG TTTTCTTCT TCTCAGCTTA

101 GAACTGTGTG CGCAGGTAGA AGCTTTGGAG ATTATCGTCA CTGCAATGCT TCGCAATATG GCGCAAAATG ACCAACAGCG GTTGATTGAT CAGGTAGAGG
CTTGACACAC GCGTCCATCT TCGAAACCTC TAATAGCAGT GACGTTACGA AGCCTTATAC CGCGTTTAC TGGTTGTCG CAACTAACTA GTCCATCTCC

201 GGGCGCTGTA CGAGGTAAG CCCGATGCCA GCATTCCCTGA CGACGATACG GAGCTGCTGC GCGATTACGT AAAGAAAGTTA TTGAAGCATC CTCGTCAGTA
CCCCGCACAT GCTCCATTTC GGGCTACGGT CGTAAGGACT GCTGCTATGC CTCGACGACG CGCTAATGCA TTCTTCAAT AACTTCGTAG GAGCAGTCAT

301 AAAAGTTAAT CTTTTCACA GCTGTCATAA AGTTGTCACG GCCGAGACTT ATAGTCGCTT TGTTTTATT TTTTAATGTA TTTGTAACCTA GTACGCAAGT
TTTTCATTAA GAAAAGTTGT CGACAGTATT TCAACAGTGC CGGCTCTGAA TATCAGCGAA ACAAAAATAA AAAATTACAT AACATTGAT CATGCGTTCA

1
    Trp SD xbaI      STII SD
401 TCACGTAAAA AGGTATCTA GAGTTGAGG TGATTTT
    AGTGCATTTT TCCCATAGAT CTCCAACCTCC ACTAAAA
    Met Lys Lys Asn Ile Ala Phe Leu Leu Ala Ser Met Phe Val Phe Ser

486 ATT GCT ACA AAT GCC TAT GCA (SEQ ID NO: 13)
TAA CGA TGT TTA CGG ATA CGT
17 Ile Ala Thr Asn Ala Tyr Ala (SEQ ID NO: 14)

```

FIG. 1

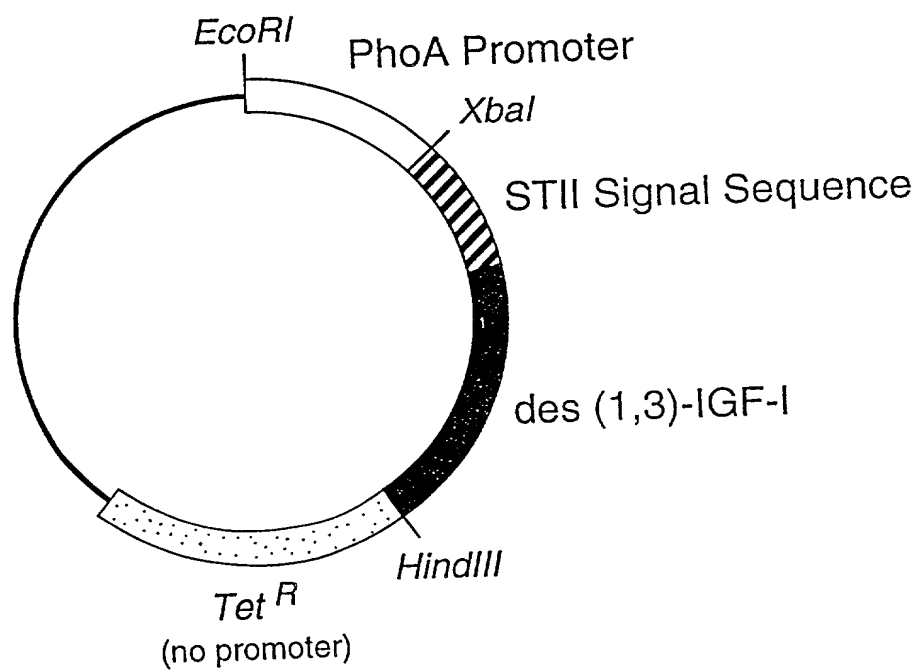


FIG. 2

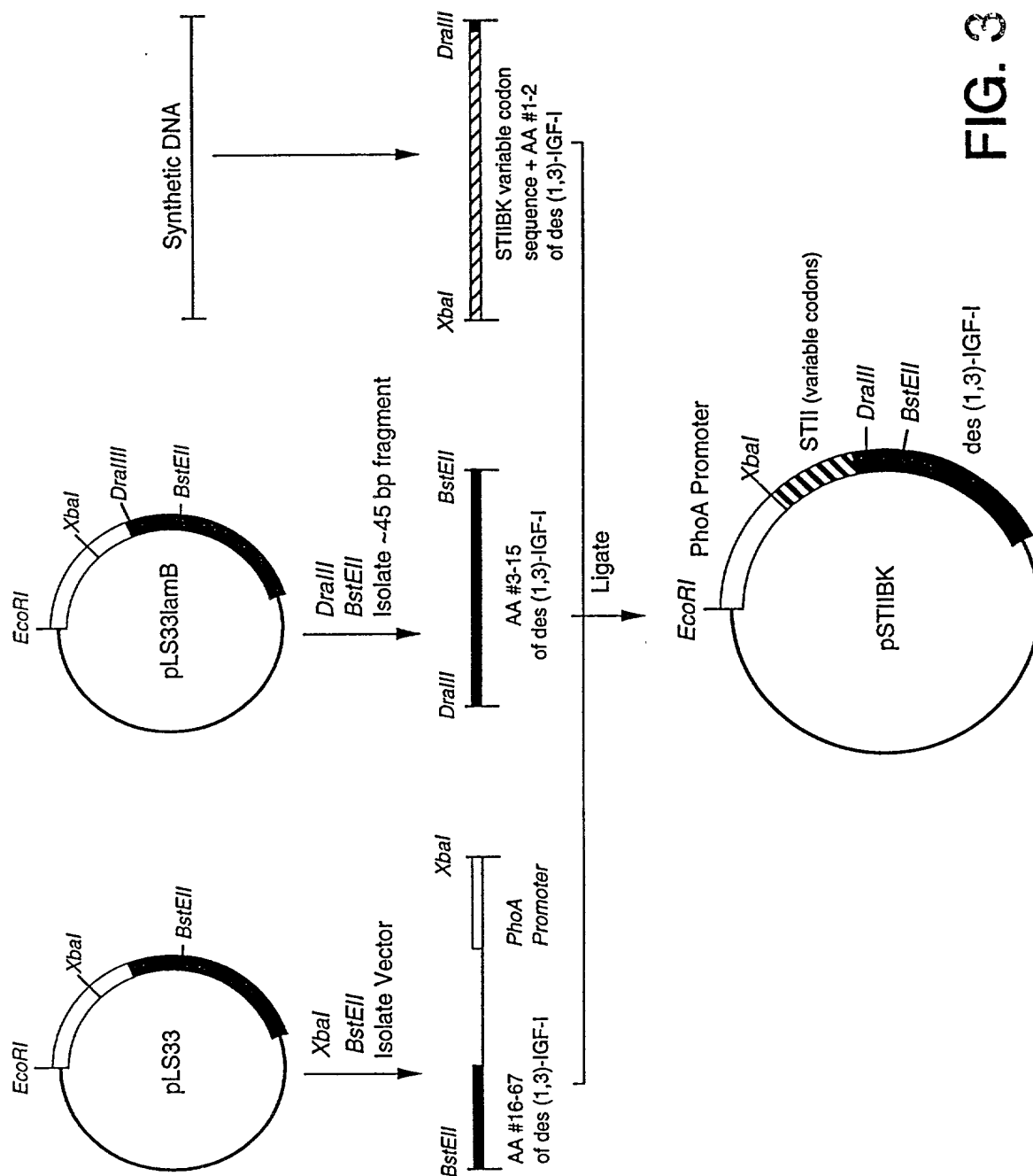


FIG. 3

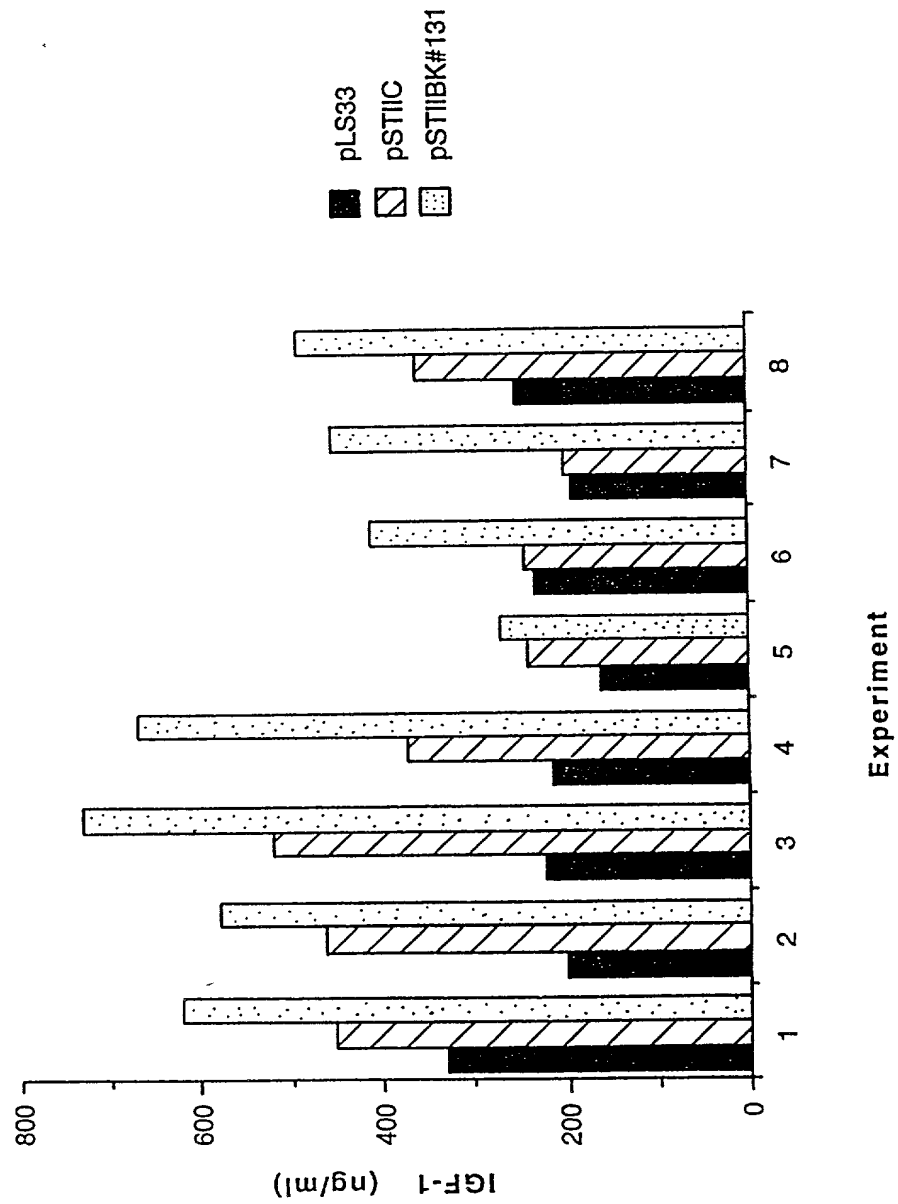


FIG. 4

A-63487-3

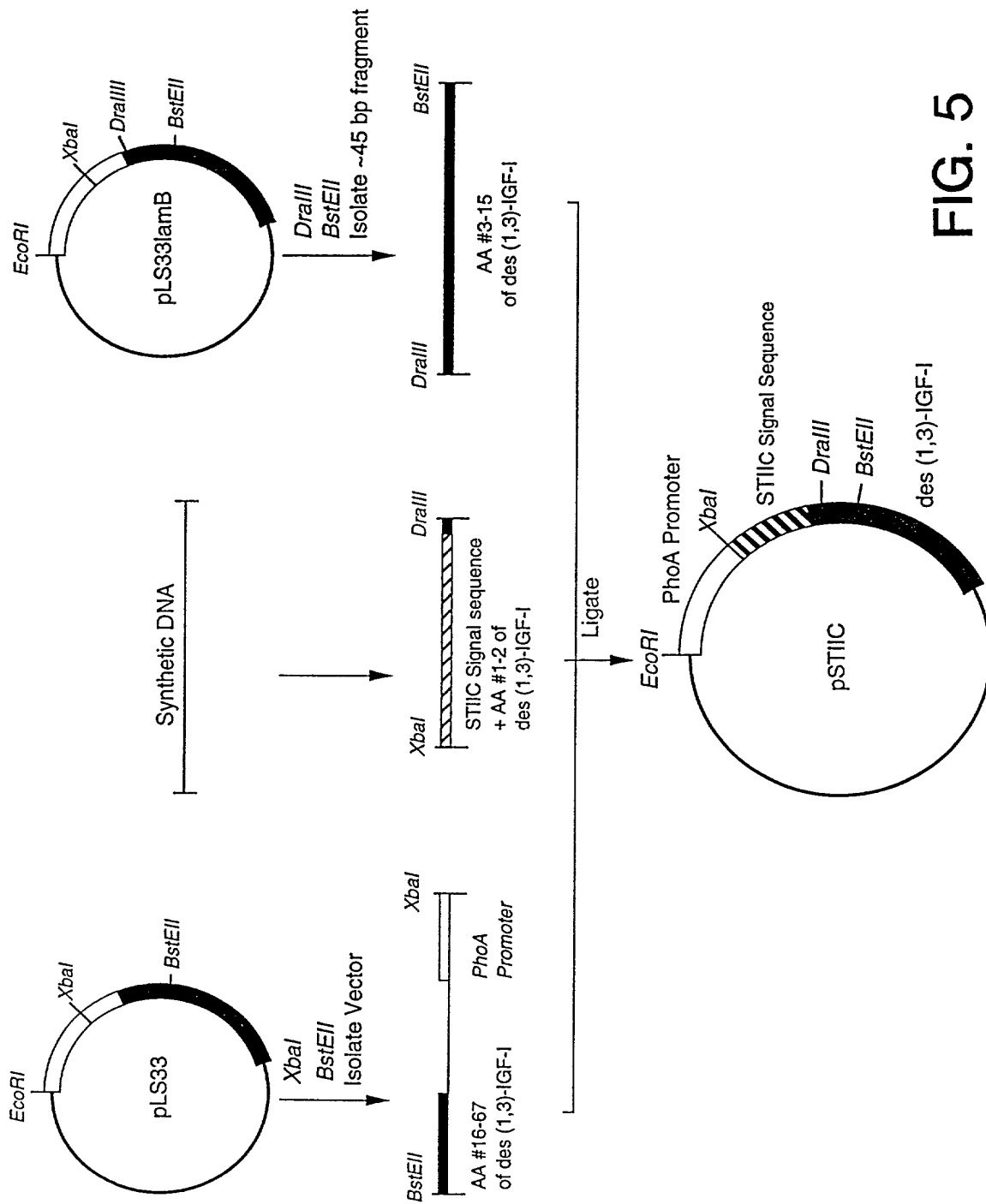


FIG. 5

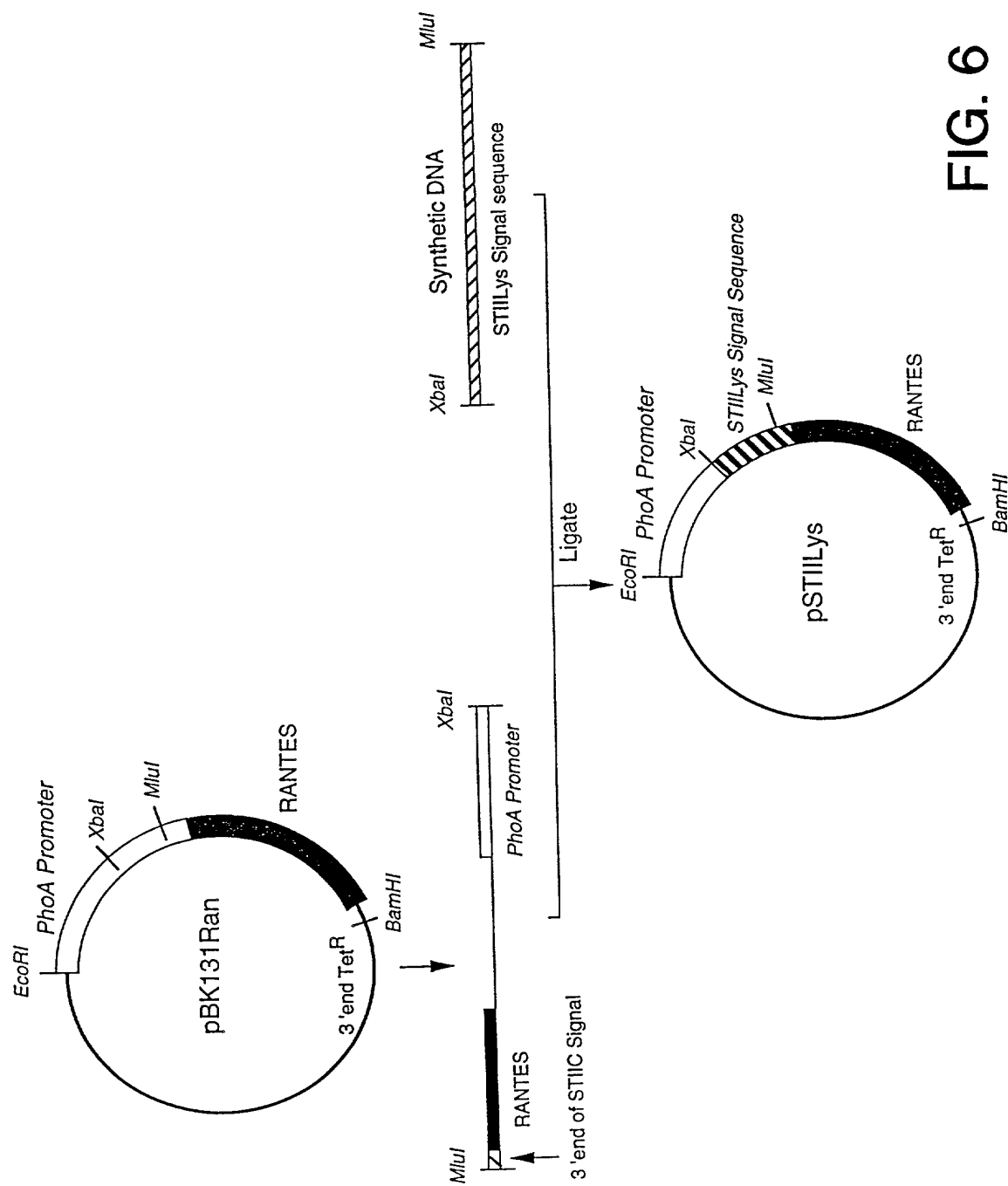


FIG. 6

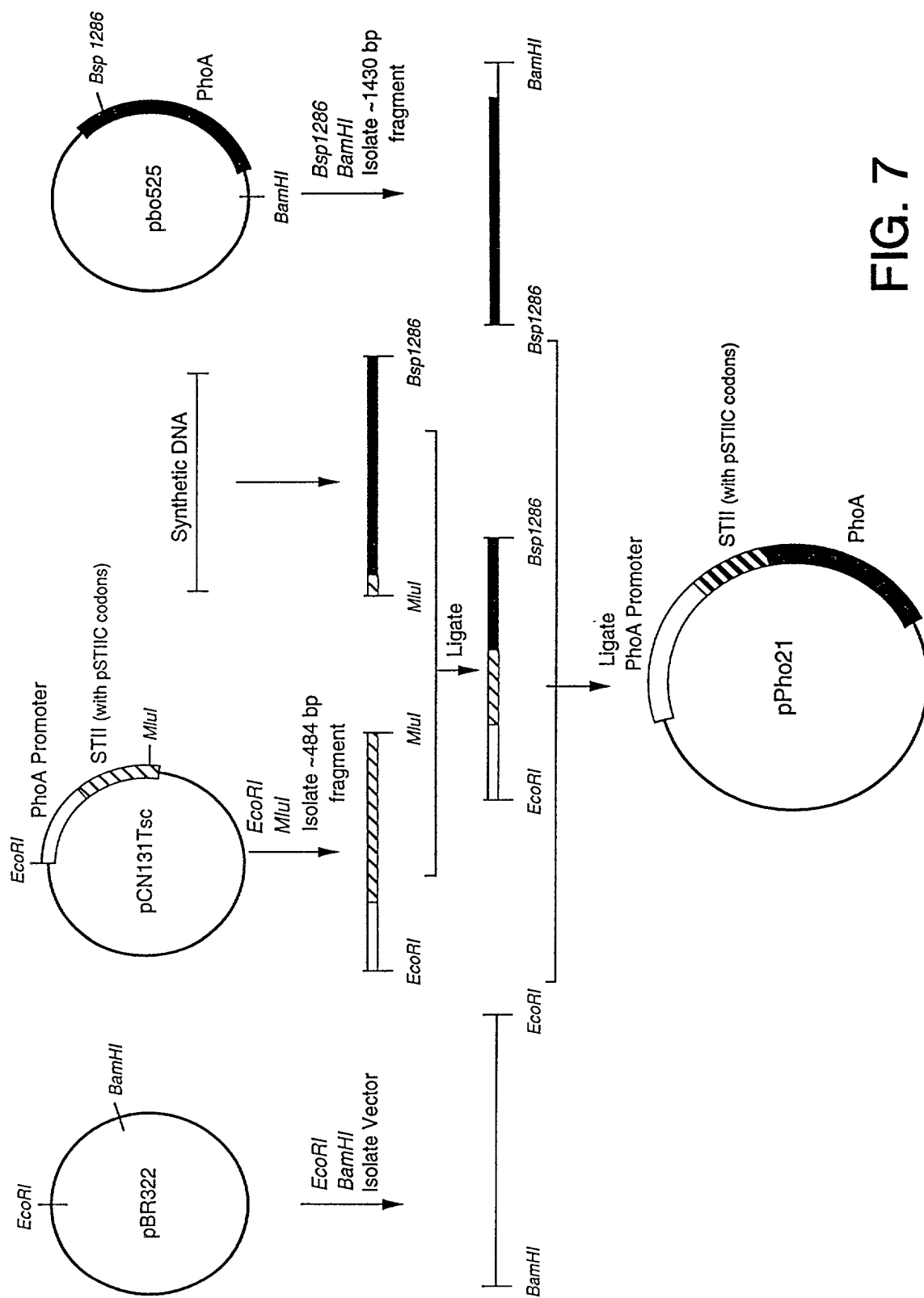


FIG. 7

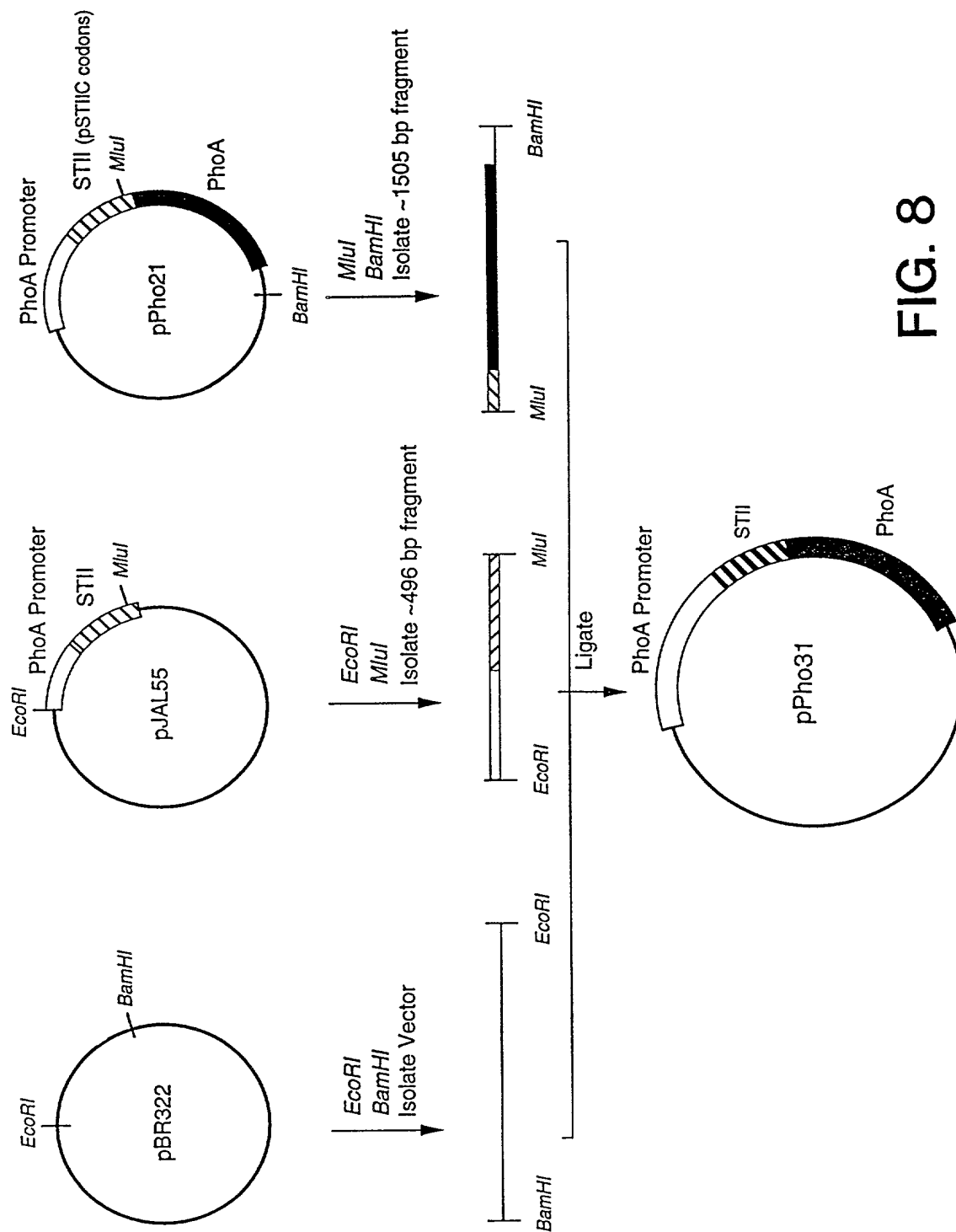


FIG. 8

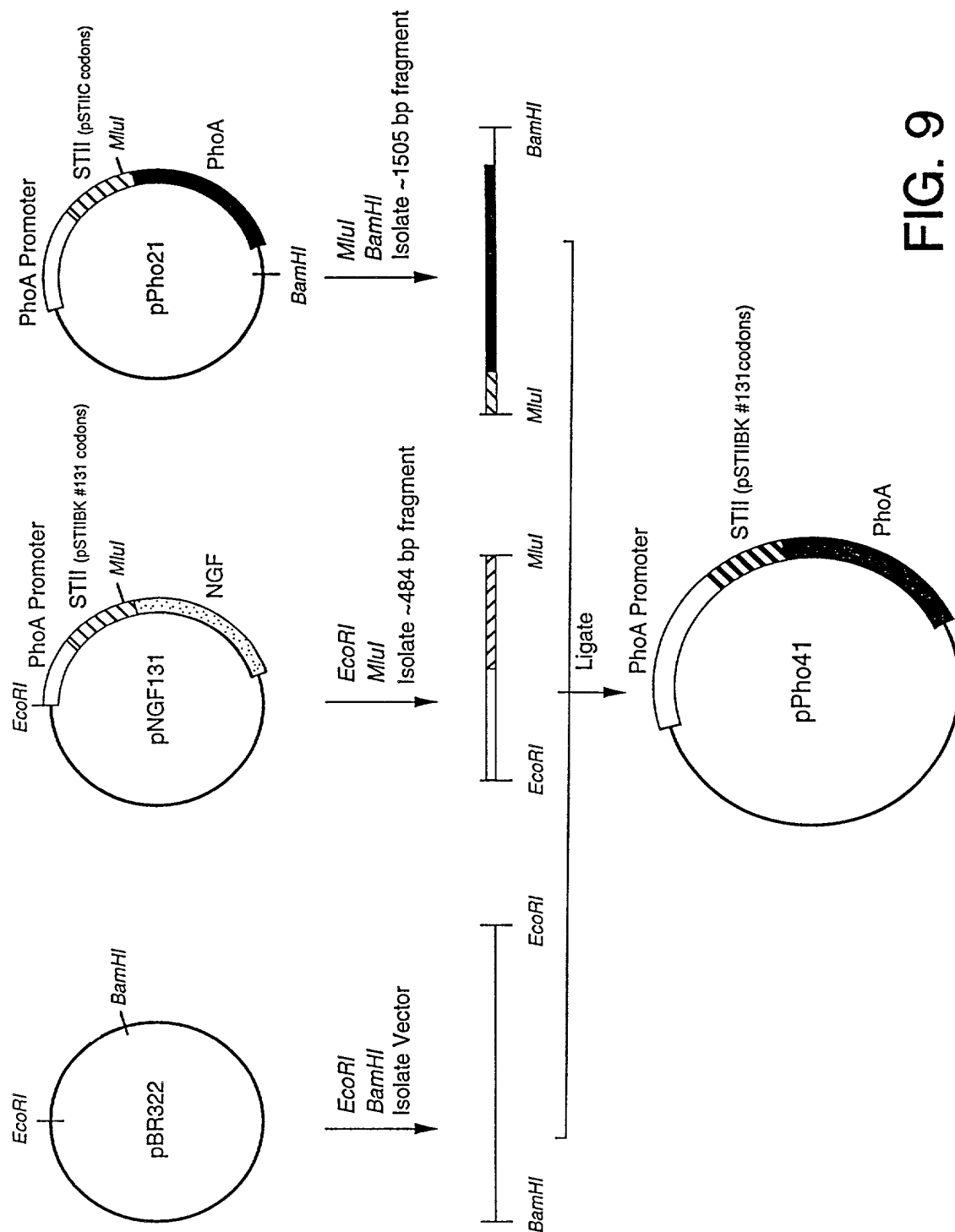


FIG. 9

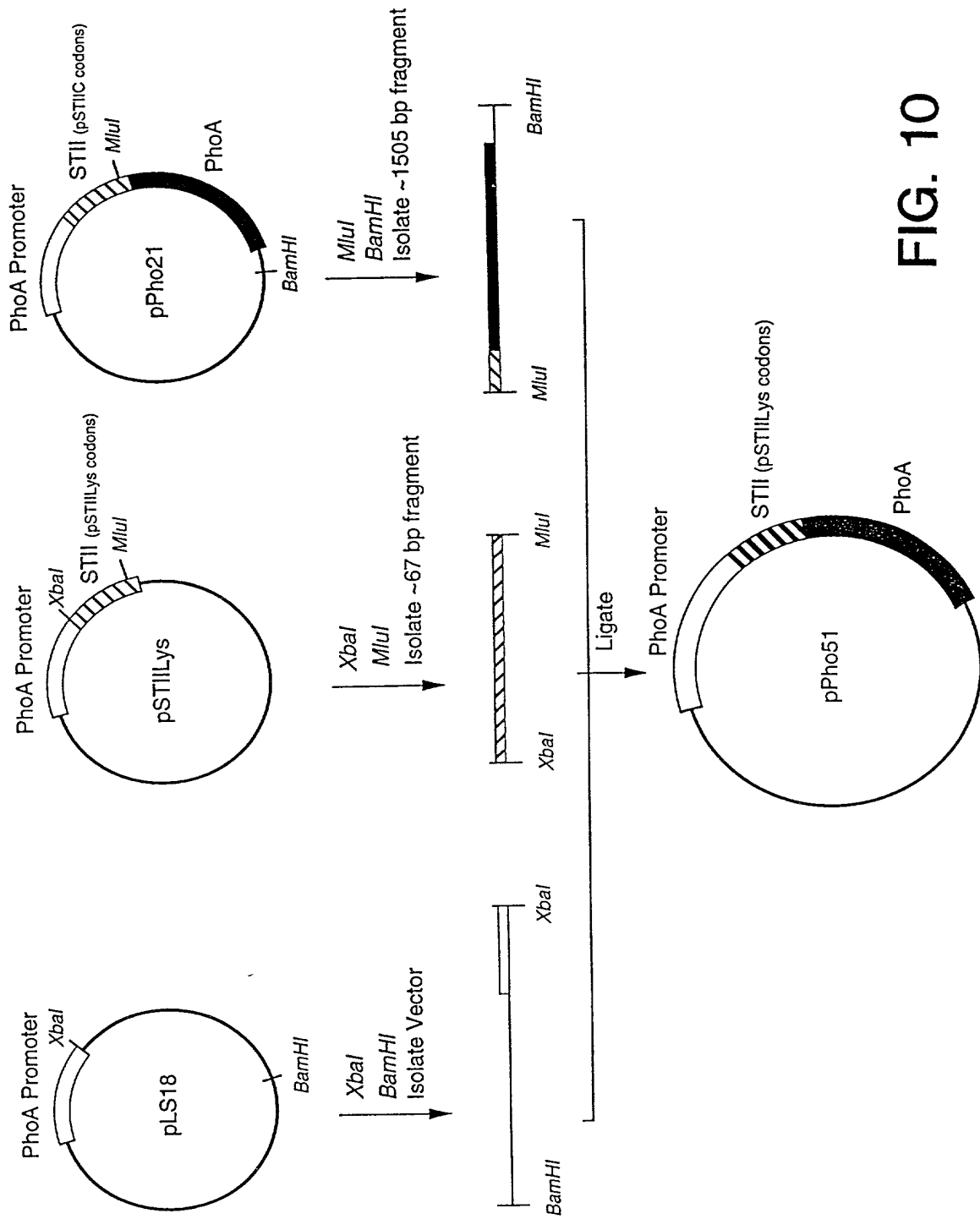


FIG. 10

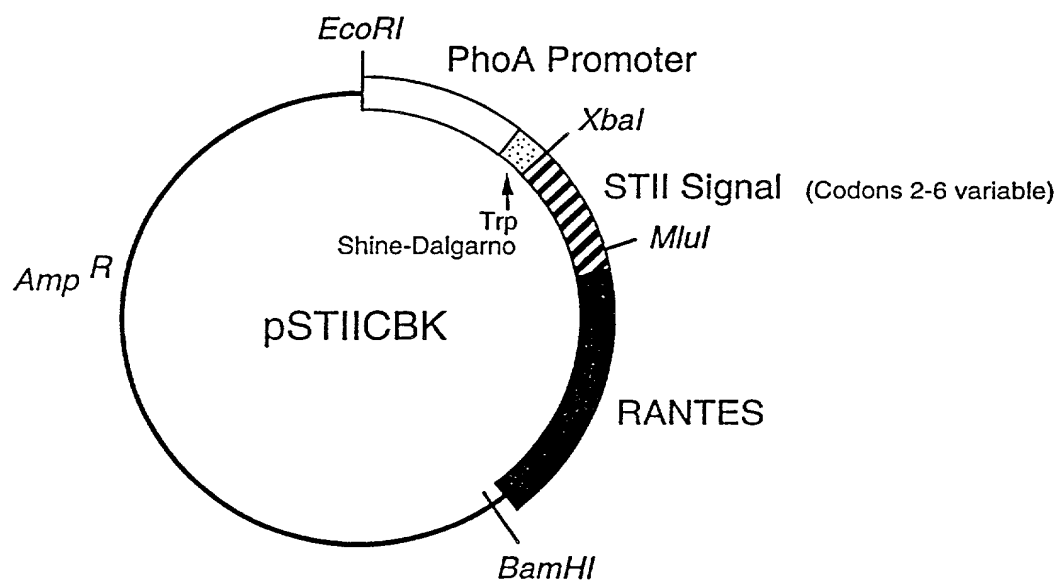


FIG. 11

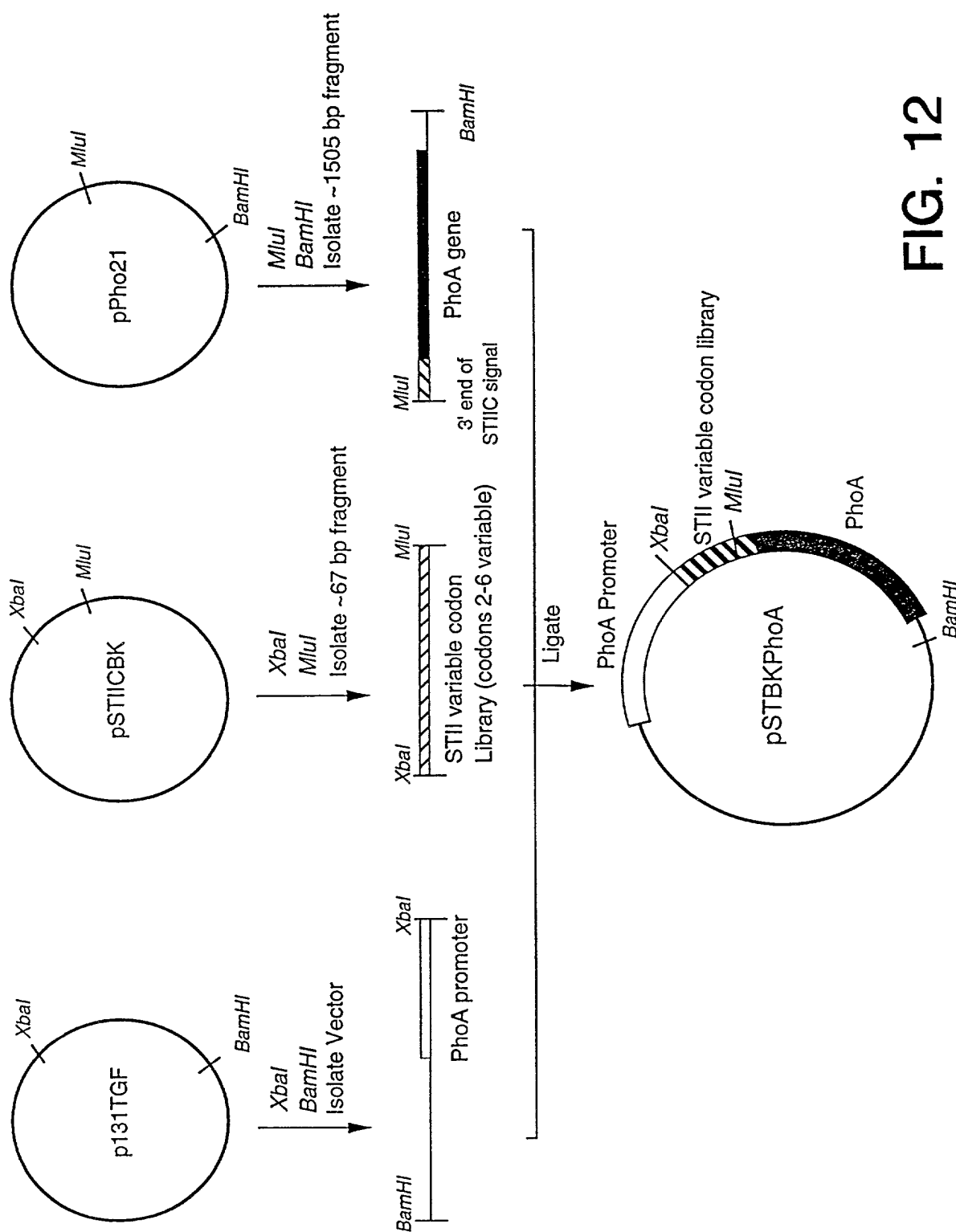


FIG. 12

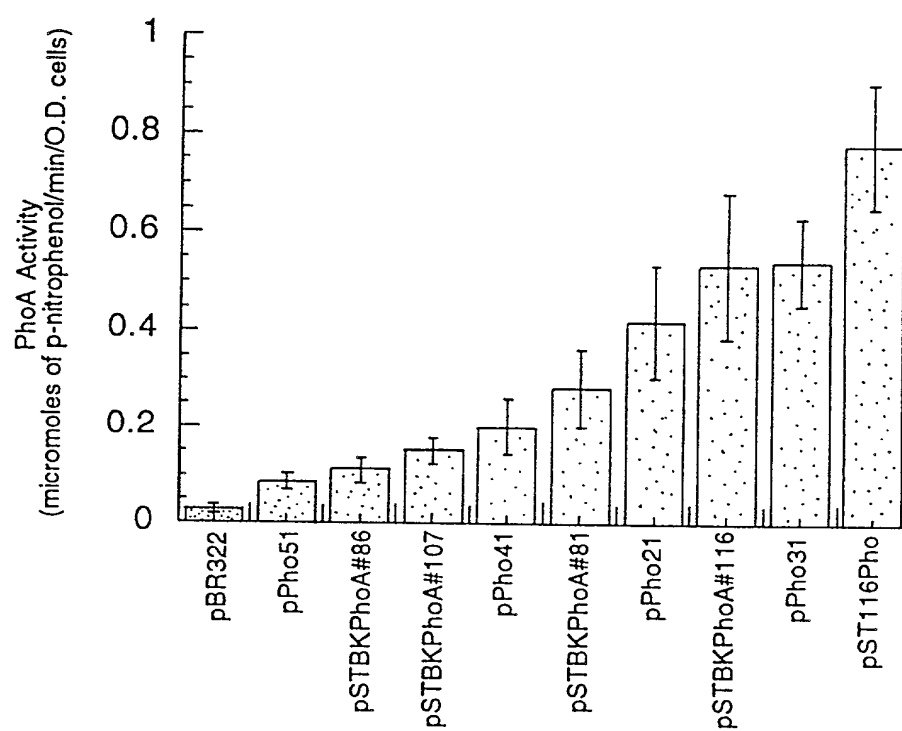


FIG. 13

pPho31 (Wild type STII + MluI site)
TCTAGAGGTTGAGGTGATTTT ATG AAA AAG AAT ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pPho21 (STIIC)
TCTAGAAATT ATG AAA AAG AAT ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pPho41 (STIIBK#131)
TCTAGAAATT ATG AAG AAG AAT ATT GCG TTC CTA CTT GCC TCT ATG TTT GTC

pPho51 (STIILys - unless otherwise noted this sequence is the IIR=1 used in the examples)
TCTAGAAATT ATG AAG AAG AAT ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#116
TCTAGAAATT ATG AAA AAA AAC AAC ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#81
TCTAGAAATT ATG AAA AAA AAC AAT ATT GCC TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#107
TCTAGAAATT ATG AAG AAA AAC AAC ATC GCT TTT CTT CTT GCA TCT ATG TTC GTT

pSTBKPhoA#86
TCTAGAAATT ATG AAA AAG AAC ATA GCG TTT CTT CTT GCA TCT ATG TTC GTT

pST116Pho
TCTAGAGGTTGAGGTGATTTT ATG AAA AAA AAC AAC ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT

FIG. 14A

				<u>TIR RELATIVE STRENGTH</u>
TTT	TCT	ATT	GCT ACA AAY GCS TAT GCM* (SEQ ID NO:15)	9
TTT	TCT	ATT	GCT ACA AAC GCG TAT GCM (SEQ ID NO:16)	7
TTT	TCT	ATA	GCT ACA AAC GCG TAT GCM (SEQ ID NO:17)	3
TTT	TCT	ATT	GCT ACA AAC GCG TAT GCM (SEQ ID NO:18)	1
TTT	TCT	ATT	GCT ACA AAC GCG TAT GCM (SEQ ID NO:19)	9
TTT	TCT	ATT	GCT ACA AAC GCG TAT GCM (SEQ ID NO:20)	4
TTT	TCT	ATT	GCT ACA AAC GCG TAT GCM (SEQ ID NO:21)	2
TTT	TCT	ATT	GCT ACA AAC GCG TAT GCM (SEQ ID NO:22)	1
TTT	TCT	ATT	GCT ACA AAC GCG TAT GCM (SEQ ID NO:23)	13

* The codons for the last four amino acids of this sequence may differ in some of the examples of protein secretion. For example, in the IGF-1, VEGF165 and RANTES secretion plasmids, the sequence is AAT GCC TAT GCA. The last codon for the last amino acid in every sequence listed may vary in the examples of protein secretion - GCC and GCA were both used.

FIG. 14B

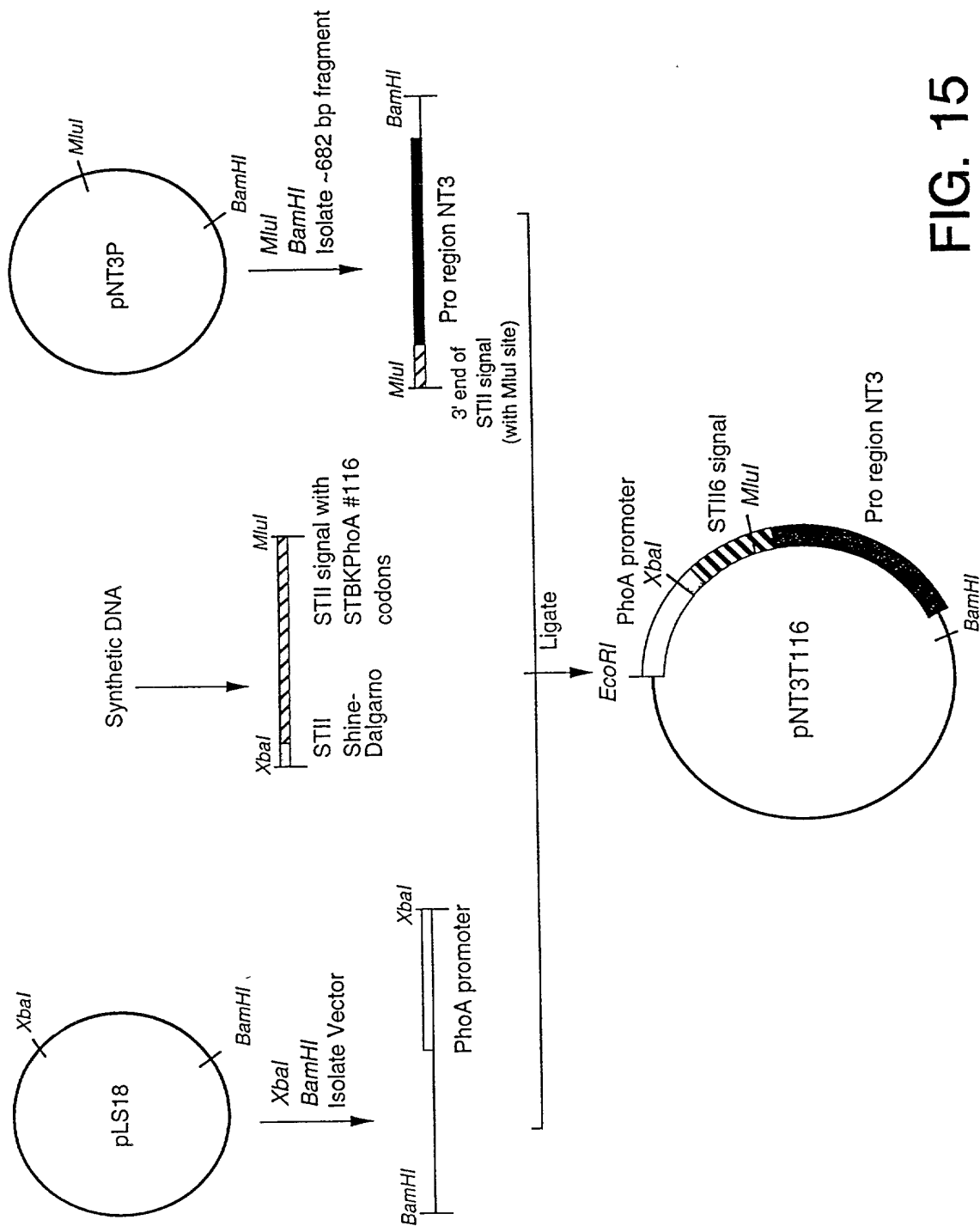


FIG. 15

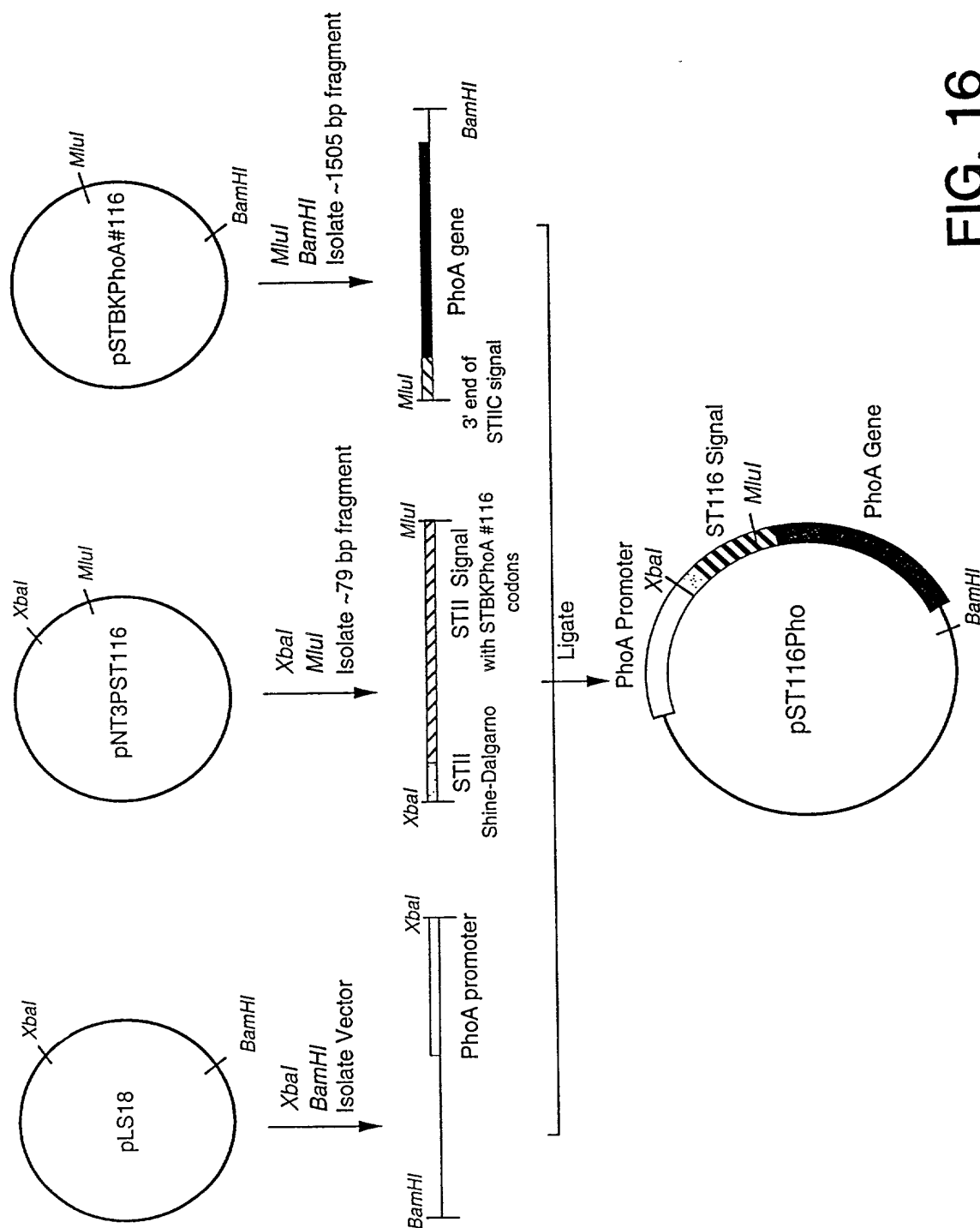
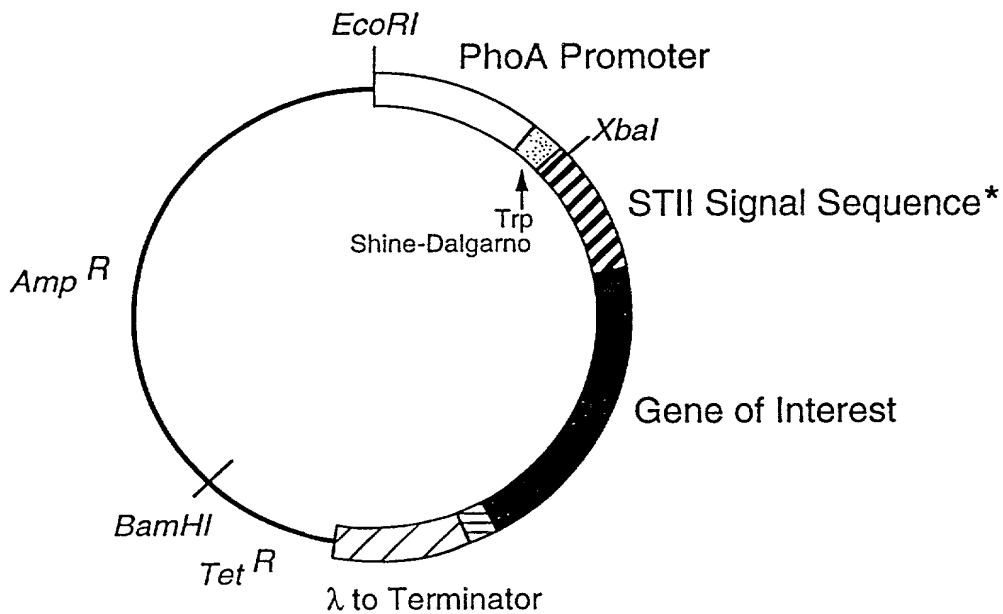
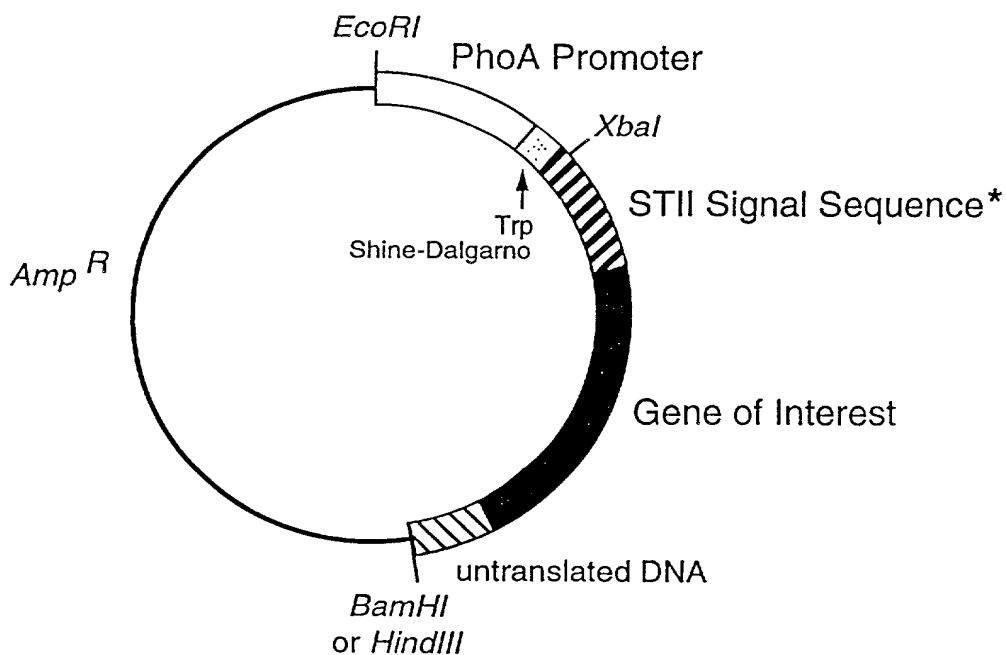


FIG. 16



* One of the nucleotide sequences listed in Figure 14 (STII Shine-Dalgarno may also be included).

FIG. 17



* One of the nucleotide sequences listed in Figure 14 (STII Shine-Dalgarno may also be included).

FIG. 18